

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [12967] "QST", page 28, March, 1997 issue "What a Weekend !"
Message-ID: <19970224.150200.4551.0.wa5whn@juno.com>

QRP-Lers,

While perusing my "QST", on the lunch hour, I had come across N1QQV (Hey, that callsign sounds familiar). It's Ken, and his article is in this issue of "QST", or as we call it out here (New Mexico) "Queue Street". Nicely done Ken. QRP-L, QRP, "QRP AField" (Tom-WB5QYT, this one is for You) Antenna with Kites attached are mentioned. ;-)

WA8TXT's tuner article is in there too (Page 30).

Phase 3D & 10 GHz Contest results, what more could someone, from the QRP-L, ask for ? ;-)

72...Jay, WA5WHN

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Mike Siegel" <ki6pr@msn.com>
Subject: [12947] "The Letter"...What's the hubbub?
Message-ID: <UPMAIL05.199702241732240825@msn.com>

Frankly, I'm surprised and more than a little disappointed in you folks. Some rock-headed jerk writes a letter, complaining about his poor receiver and how he hates working signals less than S9+; it gets printed in QST, and all of a sudden, you guys act like the whole world of QRP is ready to collapse.

Fer cryin' out loud! Isn't anyone allowed to have a differing opinion, regardless of how unthinking or ill-informed it might be, without everyone taking personal offense?

Suppose somebody came on-line and pronounced your favorite gear to be useless junk, based on some sideways experience he had; knowing what YOU know about the gear, and understanding where the original complaint came from, what would you do? Would his posting cause you to dump the gear, or would you rather shoot the messenger (in this case, QRP-L)?

Seems to me that the bottom line here is to let the guy be a jerk, write your response to QST, and keep working QRP. AND QUIT WHINING ABOUT IT.

72/3 to all,
Mike KI6PR
El Rancho R.F., CA

Side View of Modified Toroid Core Mounted Vertically

=20

Yes, boy's and girl's it can be done. Warning, This should be done only with proper "EYE PROTECTION". If in doubt, DON'T DO IT!=20
Moto-tools are great. OTW - You can also cut a nice Slot in the core=20 with a cutting wheel on the moto-tool. Great for making RF Antenna=20 Current Probes.

(C) 1997, G. Danny Gingell, K3TKS@abs.net

Lets hope the graphics work :-)

=20

Chuck,=20

=20

You have to use a bit more imagination and keep an open mind. :^)=20

Zack,=20

I see you and I had the same ideas :^) Just goes to prove my point.

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net
The Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Dale Anderson <dalea@artemis.fc.hp.com>
Subject: [12975] 49-er made my whole trip!
Message-ID: <9702242334.AA11328@artemis.fc.hp.com>

Hi Everyone,

Pse excuse the BW but I'm so psyched, I have to tell SOMEONE!
Just got back from a business trip to New England. So as not to go thru HAM withdrawls on the trip, I brought the 49er. Now I'll humbly admit that the 15 hrs I've spent calling on this thing never resulted in a contact, but that didn't dissuade me (persistant or stupid?). Well, I stayed at K1EYB's QTH. He was in FL doing the snowbird thing and he brought his HR gear with him to work /4, leaving only his antenna farm and a 12v supply. Well, I hooked the 49er up to his 40m dipole and his 12v supply. "BUZZZZZZ!" was all I heard. The filtering was less than ahhh, optimal. So, I unhooked the supply and connected a 9v battery and put it inside where there was already made a place for it. Inserted the 7040 rock that Chuck generously

provided to me. Hit the switch and heard wall to wall CW.
All right! Now, if only someone can hear my mighty 200mw that
this rig belts out when running on 9v...

I called and called. Nothing. Then suddenly, I heard W2RXG
calling CQ, come BLASTING in. I guesstimated zero-beat with
the rig (I had designed in an offset of 100-500hz, depending
on the OSC freq) and gave him a call. I was floored to hear
"KB0VCC/1 de W2RXG" come right back. AND he gave my thunderous
200mW signal an impressive 579 RST!

Bob and I had a nice little QSO. What a blast it was to
FINALLY work someone with this little rig (even if he was
only abt 275mi away). It made my whole trip! Not since my
very first QSO have I experienced such excitement. After that,
NOTHING could happen on this trip to darken my perspective
on life. Guess I've got it bad, huh? Now I'm REALLY anxious
for the arrival of my OHR 100...

Later es 72/73
de Dale, KB0VCC
Fort Collins, CO
QRP-L #91 / CQC #251

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: jim hale <kj5tf@mctc.com>
Subject: [12930] 4N7ZZ on 30M/38 Special
Message-ID: <33112550.71EF@mctc.com>

Sunday on 30M 4N7ZZ worked several QRP stns in a row. I heard him and Bob
AB5X/QRP, then a 4 stn/QRP and then ME! My 38 Special got him for me at
22:46Z. I got a 569, he was 599++. I used a half square antenna. My 1st
Euro-DX with my 38 Special! His QSL manager is YU7FIT ..
72/3'z de Jim ARQRP #2

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Conard Murray <ws4s@InfoAve.Net>
Subject: [12933] Another FYBO report
Message-ID: <2.2.32.19970224152033.0071cc2c@infoave.net>

WOW!

Was that fun! I just got the log back last night and tallied the score. I managed 44 Q's with 21 S/P/C etc. for a score of 29,568.

Not too bad for a first attempt in a qrp contest. I only managed three ScQRPions ... I heard a couple more on the wrong side of a qso and never managed to track them down.

KF4ABV and myself set up at a TV station mountaintop at noon stringing a center-fed zepp off the tower at 120 feet in spitting snow. Dale also brought a Butternut vertical to try, so he mounted it on the tower catwalk. Dale is a codeless tech (for now, anyway) and was planning on working a few in the contest, but we never heard anyone in the novice bands on 40 or 80 running FYB0. He did get on around 2 am on worked several stations in the 80 meter novice band, so I think he is ready for the test.

You guys/gals are excellent operators! It was really refreshing to be able to work everyone I called. 20M was fantastic with several Q's at the 100 mw or less level. When someone reported 3 watts and they were 30 over S9, I just couldn't resist dropping the power back. I hassled several of the G contest crowd and worked several at the 2 and 4 watt level on 40, but didn't get the full exchange from them. I even worked a YU on 80 with 2 watts. We also tried some of the 160 SSB contest, but after working you fellows with decent receivers it was too much like work. I really think most of the 160 contest ops were really bootlegging badgers.

For me, the best part of operating portable is getting out of the noise here in town and into a quiet site. I haven't missed a field day since I was licensed in 1978, but I think this FYB0 was the most fun I have ever had with a radio. 40 and especially 20 were also a challenge at times from TN as I could hear two or three of you calling right on top of each other! I guess you couldn't hear each other due to propagation. I also didn't hear anyone on FYB0 after 0330. I guess the band went too long or something as I see in other reports that stations were active.

Thanks to all for a great event! I know my friend Dale is hooked on CW (and QRP after the 160 fracas) now that he has spent some time around a rig rather than a bunch of code tapes. We should be hearing him prowling around 7040 soon.

72,

Conard WS4S

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.-.-.-.-.-
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him ><> .
. QRP-L # 993 .
.-.-.-.-.-
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From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Larry East <wlhue@amsat.org>
Subject: [12968] April QRP Quarterly
Message-ID: <2.2.16.19970224221705.279f0828@eloi>

Another issue of The QRP Quarterly is in the works and should hit the streets the first week of April. Lots of great articles that I'm sure you won't want to miss, so make sure your dues are up to date! What, you are not an ARCI member? Well, if you put pen to paper and act NOW it's not too late to get the April issue! But don't delay -- the membership chairman needs a little time to process new membership applications (and renewals).

ARCI Membership Chairman: Michael Bryce, WB8VGE
P.O. Box 508
Massillon, OH 44648-0508

ARCI Yearly Membership Dues: USA - \$15 renewal, \$17 new member.
Canada - \$18 renewal, \$20 new member.
DX - \$25 renewal, \$27 new member.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [12941] AT-11 magic theory
Message-ID: <01IFSHDOBYAQ8WWIGJ@tntech.edu>

>Jeff,
>
>After looking inside my AT-11, it seems to me that it is more
>likely that when you had the xtal standing up, it was shorting out
>the pads below it. If you look at the pads and the 1 megohm
>1/8 watt resistor near the xtal, they are in a position that could
>be contacted by the bottom metal surface of the xtal can.
>
>So much for mystical reasons of malfunction.

One BIG problem with the theory about my theory: the crystal is EXACTLY where it was.. still standing.. just soldered in two wires to the tie down points and the top of the crystal.

hmmm

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: mrice@mindscape.com
Subject: [12973] Basic Theory? Not-qrp
Message-ID: <9701248568.AA856825858@smtpgate.mindscape.com>

I'm not well steeped in it for sure, and let me know if I'm stepping in it...

I had to put my reading on hold for a week, just read the Dumb Dummy items. When resistors are placed in Series, isn't the string limited to the current rating of the least of them? When I put (for example) several fuses in series, say (3)+(.5)+(2)[I was playing, yes] it always blew at 1/2 amp current, couldn't even drive a decent "listening" radio. Unless I was playing too hard at the time, is there a difference I'm missing?

Unclear of the concept, I am.

SIG

"Sometimes you have to drink with a big straw."

C. Mike Rice KB0NND

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Larry Braden <lbraden@mail.utexas.edu>
Subject: [12918] charging gel cells
Message-ID: <33114729.26E8@mail.utexas.edu>

Hello all -

I had a question about charging gel cells, and I appreciate and thank all of those on this lists who gave me good information. In the course of checking the web, I also found that there's a company that makes an interesting 12v charger for industrial purposes that's relatively inexpensive. This charger goes automatically into a maintenance mode, so the battery can be left connected after charging. The company is IBEX Manufacturing and the URL is <http://www.ibexmfg.com>

73,

Larry Braden KC5CWG

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: ALK0FRP@aol.com
Subject: [12911] CQC results from W0CQC (K0FRP)
Message-ID: <970223233904_-804128668@emout08.mail.aol.com>

Gang

REMEMBER I CAN'T WIN AS W0CQC JUST GIVING OUT BONUS PTS

WOW thought we were on the upslope of the cycle. at 2238Z 20m was gone.

40m was gone early it was just plain ruff going.

95 Q's as compared to my 151 last year. 33% less. I think condx were just poor tonite. It was even better yesterday in FYB0.

ruff score 95s 46 non CQC 54 members 508 qso pts

20m 10 states 40m 27 states 80m 8 states

18 NAMES. 1997 508 x 45 x 18 = 411,480 pts

1996 winter QSO party I had 816,354 pts

Great to hear you all today

AL K0FRP opr of W0CQC

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [12916] CQC Contest
Message-ID: <33112738.6511@mtechnologies.com>

Finished up about an hour and a half ago, then collapsed in front of the TV to watch the X-Files on tape.

What a blast! Gut feeling is that participation was up a bit on last year, while conditions were down. I worked 20/40/80 (last year 40 only) and ended up with a preliminary total of 66 QSO's. That looks good

compared to last year, but OTOH is a darned slow Q-rate [g]. Boy I sure got tired of repeating my name!

Thanks to everyone who participated, and hope to see you in the CQC Summer QSO Party in August. By then I think I'll see if I can change my name to Ed, or perhaps ET [g]

73

5/5/9 CO Marshall #154
AA0XI

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: n4js@amsat.org
Subject: [12909] Crystal for 160M (Sierra)
Message-ID: <m0vyrne-0006FVC@ux1.cyberenet.net>

Where is the best place to order the crystal for the 160M band module in the Sierra. (I have a blank module kit)? I think it is a 9.800Mhz crystal. In the Norcal manual it say it comes from "MCF." Phone number, or does Wilderness Radio have the crystals available for order.

BTW, the Sierra is about 2/3 done. Main board almost complete. I am just awaiting some 1st class sockets for the ICs (I'm chicken!).

-- N4JS --
John L. Sielke n4js@amsat.org
n4js@hotmail.com n4js@n4js.ampr.org
<http://www.pobox.com/~n4js>

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: QRPDave@aol.com
Subject: [12915] Cushcraft R-5
Message-ID: <970224003436_-1373909972@emout06.mail.aol.com>

I have an opportunity to buy a Cushcraft R-5 for \$135. Is this antenna any good for DX (over my inverted V on the roof) or is it as someone once called another antenna, "a \$275 dummy load." Hi hi. I'd appreciate any thoughts you QRP'ers might have. I want to get into a little DX on 20 and 15, and am hoping this will help. TNX and 73, QRPDave@AOL.COM

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [12900] Debugging Contest #1
Message-ID: <1.5.4.16.19970223202348.107f610a@telis.org>

Guys, I don't know about the rest of you, but I cannot remember when I have enjoyed postings to qrp-l more than the past 7 days. I couldn't wait for the next installment, it was like the old days before TV when I used to listen to the upright radio in my parents living room as a boy. The radio serials were fantastic, much better than the drive1 that I see at times on TV, but maybe it was my imagination that was helping.

I got the same feeling reading Larry's postings, and I was holding my breath when he finally turned on the power. I was pulling hard for him. He did not fail, he gave it his best shot, and it was not to be, but to fail would have required that he quit, which he refused to do. We all learned a lot, and so did Larry, which is the purpose of the list. This contest came up during one of the weekly phone calls that Chuck Adams and I have. I mentioned that I was getting a rig back from a guy that had worked on it for 2 and 1/2 years, Chuck asked what it was, laughed and said that he had worked on one of those too. I then said that it might be a neat contest to see if the "guru's" on the list would like to get involved and fix it. Chuck suggested a TenTec QRP kit for a prize, and we agreed to split the cost. That is how it came about. It is succeeding because of the great postings and communications that go on with this list. Do you wanna bet that Mike Gipe, K1MG, who is the next in line, won't be conferring with Larry and getting his help as he tries his hand. As Chuck says, Stay tuned.

Larry, thank you very much for your efforts and I owe you a beer at Hamcom.
72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [12928] E-mail reflector for G-QRP?
Message-ID: <3311A937.7ED7@webaccess.net>

Hi Gang...is there an e-mail reflector for our friends accross the pond in G-land?? Steve

PS - Yessireee FYBO was a BLAST!!!(I'm not talking cold air ;-)) more to follow And...What's this SST all about...more than a souped up 49er??

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO

QRP-L # 911
ARS# 206

HTTP://www.webaccess.net/~S&P

Steve-N0TU

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Allan G. Taylor" <ataylor@midas.llnl.gov>
Subject: [12971] FOUND: 40 m QRP rig THANKS, GANG
Message-ID: <199702242238.0AA11782@midas.llnl.gov>

A BIG 40 M THANKS to the gang on the qrp-1 mailing list. I had several responses to my posted search for a QRP rig for FD97. The only problem is that I am buying two of them!! A NW40 with audio filter and a NorCal 40A with KC1 keyer. I'll post my reaction to them by and by.

Listen for K7GT / portable in FD97 at 1100 ft above Pleasanton CA on the P-ton Ridge!

Not a rare section, but it should be fun. After 39 years of hamming, it is time to try FD.

Grant K7GT #1016

k7gt@llnl.gov

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: GREGOIRE@endor.com
Subject: [12955] FOX, TUESDAY
Message-ID: <Chameleon.970224144906.GREGOIRE@Gregoire.endor.com>

Hello Gang,

I will be the "Fox", on tuesday evening from 0100 to 0300 utc.

Frequency will be about 7.037 +- qrm.

I gotta go have a nap now, went skiing with the grand kids this morning.

de AA1IK, Lead by example.
Ernie Gregoire

It is better to pull a string,
than to push it.

R.R. 1, Box 221,
South Rd.

Fists # 2644, N.E.QRP # 202

Canaan, NH. 03741

QRP-L # 95, Fly fisher & tier,
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

02/24/97 14:45:07

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: timcook@erinet.com

Subject: [12889] FS: OHR-400/DISPLAY

Message-ID: <3310DFE7.521F@erinet.com>

Well. guess I'll have to rethink the trade I was looking for and just try to sell the OHR-400 and buy a Sierra to get the 160 capability. So, the OHR-400 and matching display is for sale. It is in mint condition and works as advertised. The manuals have been professionally bound and look nice. I am asking \$295 shipped in the lower 48 for the pair. I will still trade for a Sierra, and would also consider a Wilderness 40A in trade. Please email for more info.

Thanks

Tim

NZ8J

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [12974] FYBO

Message-ID: <199702242333.RAA06334@multi13.netcomi.com>

Judging by the amount of activity, I think that the ScQRPions have a winner on their hands!

I had family and parental duties to fulfill on Saturday, so I was not able to FMB0 in the field. Still, I managed to carve out about 3 1/2 hours to operate from the home QTH. I was going to move the rig onto the patio table next to the pool, but it was cooler inside, so I stayed there. The multipliers were zilch so the score was QRPp, but the fun quotient was in the six figures:

52 QSOs from 28 states/provinces/countries.

Highlights:

Hearing all those familiar and famous callsigns, calling me!

Working WS4S with a beautiful signal from TN using 200 mW.

Actually having N4BP hear me on two bands.

The occasional break away from contest mode to send and receive best wishes.

Lots of good fists and good operators.

Feeling like a fox -- calling CQ and getting five replies -- answering one -- then hearing nobody!

Copying "10F" and sending "68F"

Hearing lots of outstanding QRP signals -- who says QRP stations are hard to copy?

See you next year,

Mike K1MG

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>

Subject: [12917] FYBO & Keyer

Message-ID: <M1303197.001.3fa10.1.970224055848Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Bob:

Now I understand what was happening. It was Dwight, WA6NAE, who "worked" you on 20m. He was laughing so hard, tears were coming down and he was rather incoherent. I couldn't imagine what was going on, having been beavering away on 40m myself.

Thank for letting us in on it. :-)

Sounds like you had as much fun as we did.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: ji3m@maxwell.com (James R. Duffey)
Subject: [12935] FYBO - 21,120 points
Message-ID: <v02130500af3760d3e03a@[192.31.66.229]>

I operated with Paul NA5N at the Pound Ranch Southwest of Socorro NM. I had 44 contacts on 20 and 40 in 20 different SPCs. I operated in the field with a battery and the lowest temepature I recorded was 41 F. Then the sun went down. Paul waited until his thermometer read 39.9 for a couple additional contacts so he could get the additional multiplier. By my multiplication I get 21,120 points for my operation.

I used my TS-850 on a 110 AH Deep Cycle Battery for 20M. We used Paul's modified MFJ on 40M. We used a Saint Louis Vertical on 20 and an inverted vee on 40M. These worked out OK, but our biggest problem was the wind. The SLV blew over which resulted in the lower wire coming loose from the loading coil. After righting it I made one contact in 45 minutes with 4 feet of wire on the ground before I realized something must be wrong. Live and learn.

Faqvorite quote of the day from Paul. He was operating my 850 on 20 and I was on 40M. I get a tap on the shoulder and Paul says "I went to change the keyer speed and ended up on 10M. How do I get back?"

Lots of fun. I made 3 NM contacts, WA5WHN, K9PV, and NA5N. See you next year. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: VE3JC John <jbcumming@wwdc.com>
Subject: [12910] FYBO - report from VE3 land
Message-ID: <3311156C.758D@wwdc.com>

Well a few days of very mild temperatures and torrential rains removed all our snow and raised rivers to their highest levels in twenty years. I had therefore abandoned plans for a full weekend ski trek for FYBO. Figured I would just operate from the shack. However, the thermometer plummeted friday night and there was some new snow on the ground by saturday am. One of my fellow scout leaders called and told me his troop was camping out (in

tents), so I had an excuse to pack up the QRP+, head to the field, and give the scouts a demo of fybo-style qrp.

Arrived mid-afternoon. Temp was about 25 f and falling. Slingshot was useless for getting an antenna up, and ended up just putting the apex of the ladderline fed dipole as high in a tree as I could reach while standing on a picnic table (about 12' !). Tweaked the tuner, called cq, and WQ4RP comes back right away! Operated for several hours, and my low dipole and numb fingers produced only a half dozen contacts. The scouts were interested though (It's amazing when you find a teen who has NEVER HEARD OF "MORSE CODE"!). Temp was 18 f and still falling. I joined the scouts for a great outdoor supper, then headed home (after dropping off one sick and cold scout) to finish fybo from the shack.

Final tally was 38 qso's from home, 6 in field, 23 spc's for 11,868 points. FYBO is a great idea and I think it will really grow! Is anybody collecting all the "lessons learned", for use next year? I plan to pack one of those thick kindergarten pencils - I don't find the keying too difficult with gloves, but logging is another story!

Thanks to the AZ SQRPIons for a great event.
72/73, John

PS. Just got an email from my sister-in-law in the Northwest Territories - it's a balmy -25 deg f there. Maybe I'll visit there for FYBO next year !

VE3JC - JOHN CUMMING
192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: SCN User <nwqrp@scn.org>
Subject: [12893] FYBO -- short

Howdy All,

Just a quick report from the NorthWest ... KV9X decided to

finish his NW-20 kit last weekend in time for the FYBO Field Day Event. It went together okay, so a quick trip to Radio Shack for a few connectors completed the hardware.

On saturday morning I packed up Marcia's (KC7MCW) mountain bike with the gear, tofu sandwich, and a jar of hot coffee. I rode about a mile or so 'till I got to the Woodland Park Zoo. It is a really good spot beacuse there are many trees and picnic tables, many sheltered from our famous rain-fall. (Seattle)

The antenna went up (INV VEE) though it could have been much higher, but I only had about 15 feet of coax. :-0 It is a Bic Flamethrower with alarm wire elements ... cheap and doesn't tangle.

Had very few visitors ... partly because all those trees made for a lot of shade on an otherwise unusually sunny day ... we even had shadows! At many point I heard strange screams from the bushes and though some kids were up to no good, but then it dawned on me ... those jungle sounds are REAL! I was at the Zoo, you'll remember! Those monkeys kept me company from the time the antenna was up until I packed up. :-)

Anyway, the band (20) was in good shape, except for some QSB and a few QSOs were made ... some easy, some hard. Thanks for all who entered! The NM and AZ stations were all very strong here ... must have had a pipeline.

Had to pack up around 2:45 to go drop off some stuff for a freenet orientation meeting, then went off to work putting together a data package fro the EPA (fun).

I am still excited about that event .. thanks ScQRPions!

--Brian High, KV9X

NAME: BRIAN K. HIGH
CALL: KV9X
LOCATION: WOODLAND PARK ZOO PICNIC AREA, SEATTLE, WA, USA
RIG: EMTECH NW-20
ANT: INV VEE UP 15 FEET

EXCHANGE: (CALL) (RST) WA 4W (TEMP)F
BAND: 20 (NO NOVICE/TECH+ PTS. ... NO NOVICE BAND POINTS)
MODE: CW
CLASS: SINGLE OP.
POWER: 4 WATTS OUT (NO QRPP PTS.)
FIELD: YES (X4)
BATTERY: YES (X2)

LOWEST T: 42F (X3)
STATES: 15 (X15)
STATES: AZ,WA,NM,OK,NC,MN,CO,VA,GA,MA,TN,NY,UT,CA,IA
QSOs: 32
SCORE: 32 X 4 X 2 X 3 X 15 = 11520 PTS.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [12964] FYBO and CQC from Central Texas
Message-ID: <33120E48.7104@uts.cc.utexas.edu>

Hey Gang,

My FYBO really started Friday night when I heard Joe, AB7TT calling CQ from his tent up at 7,000 feet in the Arizona mountains. He was already freezing to death and the contest hadn't even started, but he was sending a 599 report into Austin with no problem. I accused him of being able to transmit "line-of-sight" from that lofty location across west Texas right into Austin.

On Saturday, I could only work a couple of hours here and there, but managed about 18 contacts and snagged 5 (if you count the displaced N4BP roosting in a tower somewhere in Florida) of that desert insect club out in Arizona and New Mexico. I spent a lot of time trying out three different antennas for 20 meters so instead of piling up contacts I was fumbling with antenna wires, but had great fun and learned a lot. I caught Colorado, Arizona and New Mexico on the delta loop, Connecticut and Virginnia on the OFC dipole and Florida and Minnesota on the ground-mounted vertical. The SuperTee antenna tuner loads them all.

At one point I worried (needlessly) about my point multiplier and opened the sliding glass door next to my operating station and got the temp to drop into the low 70's. These winter contests in Texas can be tough!

Only worked the CQC contest on Sunday for about an hour, but snagged Jim, AL7FS as my first contact on my first call to him. Boy, that guy has good ears!!! I was weak, but he only had to ask for one repeat. Everything else was gravy after that. One of the loudest signals I worked was a 3 watt mobile rig, unfortunately, I don't have the call here at my office, but it was one mighty fine signal. Also heard lots of 1 watt signals that were real "boomers". Wonder what those QRO ops thought? My other amusing experience during the contest was that my only QRO contact in Maryland got his signal clobbered by some really potent QRPer's. I completely lost him to QRM and he was running a 100

watts. I loved it!!! You QRPer's can clobber my QRO contacts any day.

My next goal is to get more than an hour and a half at a single sitting to see if I could "run" a few stations from the same frequency. Learned a lot just listening to some of the real pro QRPer's out there. What fun. This time around I just searched and pounced and only missed a few, but it seems to take more time and the contacts/hour suffers a bit.

A hearty thanks to the AZ and CO clubs for sponsoring great fun.
Looking forward to it for next year.

See you during the next contest.

Gary, KJ5VW

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: [12959] FYBO on the Pacific (long)
Message-ID: <9702242030.AA03206@rex.mtv.gtegsc.com>

Hi Gang,

I'd been looking forward to this for a long time. Since I'm not an rabid tester, I decided fun was the name of the game. I decided to stake out a FYBO site at one of my favorite spots on the Pacific strand. My SO and I arrived at Pigeon Point, a bit north of Santa Cruz on Rt. 1, just before noon. The beach head was established and the trusty Radio Shack thermobulbator was deployed, registering a balmy 59F. I immediately got to work setting up the W6MMA-modified SLV in the sand. I had originally selected an antenna site on a 20 foot bluff just above the beach, but seeing as how it was loaded with poison ivy/oak, plans had to be changed.

A couple strolling on the beach passed me as I was laying out the radials in the sand. On their return trip, they asked what kind of fish I was going for as I was tuning up the vertical for 20m. I explained I was a ham and I was fishing for radio signals and that my rod was really an antenna. They said, "Well, maybe you can talk to Hawaii!" After hooking up the Cascade and tuning to a quiet spot on the band, I called CQ for a few minutes. Well son-of-a-gun! KH6EV comes barreling in! He was obviously QRO and when I gave him the equipment rundown and told him my power output was 3 watts, he understood why his S meter wasn't registering 20 dB over. We had a nice chat and then signed. It was an interesting experience staring out over the ocean, knowing my contact was out there somewhere to the Southwest.

I then camped out on a VE6 station who was running a Pathfinders special event station. He was casually chatting with a W4 and both were booming in. No wonder, both were running linears feeding 3 element beams. Couldn't raise either of them after they signed. Further attempts on 20 didn't yield any other contacts, and 80m was pretty dead. I decided to fire up the NC40.

This was *interesting* experience. I reoriented my position so the ocean breeze was to my back. The unfortunate side effect was that the wind noise in my headphones lowered the SNR substantially. I did hear N6WG in there, but he was weak. Repeated attempts to call him didn't even net a "QRZ?" Time was getting short and the wind picked up to the point that it wasn't enjoyable anymore. We packed it in and headed home.

Later in the evening, I set up the SLV in my backyard and arranged the NC40 on the picnic table. The trusty Radio Shack thermo was indicating 53F at 7:30 pm. My eardrums were nearly pierced when KD6VI, QRP Bob, unsuccessfully tried to contact another station. I gave him a quick shout and we exchanged info. Family responsibilities pulled me away and that was the last contact.

Lessons Learned:

Select a better site for eastward propagation! The mountains to the East and the bluff behind me really gobbled up my signal! I'll have to scope out a potential site along Skyline Blvd, which courses along the summits of these RF-busters. Alternatively, try a kite-supported vertical. The steady breeze at the beach makes this do-able. Static dissipation requirements noted.

While adequate in a quiet operating position, the NC40 needs an additional audio stage. With 10-15 knot winds blowing in my headphones and ocean swells crashing on the beach, it was impossible to hear the really weak ones. Time to cobble up a set of audio boots. QRO audio is a *good* thing.

The Cascade needs a thorough going over. The PA exhibits some instability and the output power should be a tad higher. Now where'd I put those round-tuits?

Get a multi-band, multi-mode rig. Although I was well-prepared, I would have liked capability for more bands without carrying a number of monoband rigs.

Despite all of these shortcomings, I thoroughly enjoyed myself. I can't wait for QRPTTF!

72/73,
Bob - W3CD

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [12891] FYBO Report
Message-ID: <199702240115.RAA00815@islander.whidbey.net>

Hello all. What a great time we had. My brother Clif (AB5UA) and I (Phil - KJ7NS) had a wonderful time in the FYBO funfest. We didn't get to operate as much as we hoped due to other commitments. We did manage 30 contacts with 12 S/P/C's worked. These contests are always fun, but even more fun when your brother is there to help out. Most of the time it was a balmy 45 degrees here on Whidbey Island, WA. BTW, N4BP had a great signal and good ears for Washington! KB2JE had the biggest 579 with 4 watts from NJ I ever heard. Our 20 meter contacts were on the QRP+ as were most of the 40 meter. A few of the 40's were made on the FT900 turned down to 4 watts.

I expected the fun police would be breaking down the door at any moment because we both were having way too much fun for our own good. See you on the bands..

Phil
Phil Sikes - KJ7NS
ARCI #9196 - QRP-L #528
FISTS #2602 - NW QRP #412

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: gsurrency@juno.com
Subject: [12913] FYBO, whoops!
Message-ID: <19970223.215145.6238.1.gsurrency@juno.com>

Well, it looks like my enthusiasm for the FYBO contest was a little too much. I rechecked the official rules, and it looks like the contest officially ended at 0500 UTC, so several of the last contacts I made are "invalid".

Since I WAS making contacts with others of this list, some of you may want to check your log sheet to be sure you didn't do this too.

Aw, heck. But it was fun, even if the last few don't count! :-)

I agree with Doug, the posts from Larry on debugging the RadioKit were some of my favorite reading too! Thanks for taking the time to describe what you did for all of us, Larry! Great Job! Just too little time to come to fruition. Now on to the next victim, er, candidate. ;-)

73,

Gary AB7MY

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
Subject: [12912] FYB0-WA8GHZ /5
Message-ID: <33117954.20D5@wt.net>

Howdy-

34Q's, 19 SPC (with bonus-D.C.), but no Novice/Tech or 15Meters action after an hour of hunting.....

Much fun and first test of using computer logging and keying(old 286 notebook that eats 1.5VDC AA cells) with straight key for 'backup' keying. Had 1 bout of hitting the 'QRZ' button instead of the 'REPORT' button, and many bouts of QLF straight-key with freezing/shivering when wind kicked up.....ooops. Even 48degF can be cold here in Houston when the wind got going strong.

Thank you SQRPions - great fun.

--

WA8GHZ /5 / === === o === o === o o === === o
Jack /Houston / "I know the guy who built my radio."

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [12905] FYB0: A subjective (and biased) Antenna Observation
Message-ID: <19970223.225449.4679.1.wb2vuo@juno.com>

Last summer I put up a 1-wave sloper for 20 Meters. Maybe I should start off by saying that I have HATED 20 meters for the last 25 years. However, having a little gain, and some directivity may change my mind...

My yard is about 225-feet long, and steps from a 160-foot road frontage to 90-feet about 1/2 of the way back. I can put up all sorts of long,

skinny antlers, so the 1-wave sloper, loosely based on the "Super-Sloper" in the December 1995 (???) QST was the antler of choice.

During the CW Swweeps this last November, I realized that I was on 20 more than 40, a real change for me. Also, I have been working 20 CW on a "random" basis more than the past. Surprisingly, I am making contacts, and enjoying myself on the band. The frosting on the cake was this weekend...

It seems that, of my 18 QSO's on the FYBO FD, 13 of them were on 20 Meters, and it was a case of "I called, and they came back..." Later this weekend, it was 8 QSO's on 20 and 2 QSO's on 40 for the CQC QRP Test and the same quick answers. Saturday's performance made me think that a dipole, up in the clear, and aligned for the Left Coast would be good, so I strung one up, 35-feet up, broadside to the Coasts. The 1-Wave sloper beat it hands down. Every time that I threw the switch, the Sloper won.

Folks, it's hard to beat results like that, and the antenna is the simplest "gain" antenna I have EVER had.

For those that didn't catch the thread on this before, the Sloper is 1-wave long, or 68 feet @ 14.1 MHz. The feedpoint is 1/4-wave from the high end, or 16.5 feet. The high end is about 25 feet up, and the low end is high enough to not get run into while I am out in the back yard (about 7.5 feet) The end insulators are nylon chalk-line, about 5 feet at the top, and about 10 feet at the bottom, so the total overall installation is 83 feet, which happens to be the distance from the corner of the house, next to the shack window to the back corner of the barn. It is fed with RG-8X, directly, no balun or other lossy junk, and the SWR is about 1.5:1 at 14.1, rising to 2:1 at 14.35...

I don't care what it looks like on the modelling. It works, and it's better than the dipole at 35'...

One will be in the trunk with me when I travel this year, along with the Argo 556...

See ya on 20!

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam
Email - wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: ericvia@why.net (Eric Via)
Subject: [12920] Greetings & Introduction...
Message-ID: <v01520d03ad53930f03f7@[207.211.121.2]>

Dear fellow QRP'ers,

I am new to this list - and quite suprised to see 1675 subscribers! WOW!

I felt I should introduce myself. My name is Eric, I'm AD4SS, but even though I'm an Extra I have not done very much with my Ham license.

One of the first things I AM going to do is QRP! I've always loved Morse, and the more I learn of QRP the more exciting it sounds!

I look forward to talking with you all, and hopefully you can help this QRP-Newbie out - as I'm sure I'll have tons of questions!

Nice to meet you all!

Eric Via AD4SS

Father, Husband, Writer, Pro-Choice, Anti-Gun-Control,
Ham Op (AD4SS), Beer-maker, Mercedes lover, Spelunker,
South Carolinian, Mac-head, dog-lover, clown, EX-smoker

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

"What country can preserve its liberties, if its rulers are not warned from time to time that this people preserve the spirit of resistance? Let them take arms." - Thomas Jefferson

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [12970] HAARP Party

Message-ID: <199702242208.RAA15280@alaska.magpage.com>

Ok Gang,

FSFD is over and I've got nothing to do. The Doc' won't let me go back to work (smart on his part) so here's the latest crazy idea. How about some QRP beacons set up for the HAARP night. Sure we can use the regular WWV and ship-to-shore CW markers but we need to have a few where we know what the parameters are. Too bad the 'S' and 'C' markers will be 4+ hours past the event since they are probably on the other side of the HAARP TX site.

A list of known/reliable Sortwave signals might be in order too. Have them in the commercial HF rig (still have yours?) memories and watch for ionization effects and the like. If we get some fever running for monitoring this event, I'll collate a list of suggested targets and beacons, put that list out a day or two before the event (Friday night EST before Charlotte Hamfest) and list the results a day or two later. This can all take place transparent to the already high volume (sorry) traffic on QRP-1 by going the private e-mail route. Maybe the action topic before 50/40 gets hot, now that FSFD/FYBO/CQC are over.

Your Thoughts?

Glad I have 3 old tube RX's, Jim K3QIO Delaware
Love That Great Drake Sound

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [12956] HAARP!
Message-ID: <929E113301462936@mhsgate.meth-mem.org>

I cudn't help it! I just had to get on the Web and look it up.
Jeez guys (es YLs), there are more screw-balls and flakes
associated with this than the hidden alien colony on the
far side of the moon (YOU didn't KNOW about THEM?).
Great to hear about the FYBO stuff. Trying to make
big plans here in the Mem-Phi area for late April.
72/73 CUL de Mike, KR4IT _ .._

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: QLF%mimi@magic.itg.ti.com
Subject: [12895] HERE YOU GO, CHUCK!
Message-ID: <9702240253.AA29616@itg.ti.com>

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: ericvia@why.net (Eric Via)
Subject: [12949] I want on the air!!!!
Message-ID: <v01520d02ad54320f6c74@[205.240.253.182]>

Check your closets boys for a down 'n' dirty
QRP rig that's doing nothing but collecting dust
and let me know about it via private email - make,
model, price you want, etc... - I need a rig so I can
join you fine people on the air!

I'm living here in beautiful Wylie, Texas - willing
to pay shipping....let's talk my friends!

72's Eric AD4SS Wylie, TX

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Brian Cieslak <brianc@ams-i.com>
Subject: [12934] ionospheric modifier model X-38
Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970224151313Z-418@ams-i-server-1.ams-i.com>

Bogie1 Wrote:

>That's all for now.

>72/73/123/ 86764 45038 34081 33498 65010 33896 22389 45883 11103 28887
>22392 44599 33402 67748 39892 08813 38829 33854 22765 34944 22934 and
>finally 34097.

>Bogie 1

AHA!!!!!! We now know the source for the number stations that are
interfering with tx on 30 and 40 M !!!!! It's not the government at
all, but aliens in CA. Time to initiate a new proposition. I bet we see
this on the X files in a couple of weeks.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Owen Quarles <k1oj@swbell.net>

Subject: [12903] K10J-CQC QSO PARTY
Message-ID: <331110F1.1CE4@swbell.net>

Howdy from Texas!

I had fun with the contest, thank you CQC.

Pretty noisy here at home compared to Possum Hollow where the fybo was operated. More later, but here is a quick run down

QSOs=79

QSO Pts=378

SPC=46

NAMES=17

Final Score=295,596

Worked W0CQC=1000

TOTAL SCORE=296,596

Soap box on both contests later...I'm still cold tired and hungry....

CU---OJ---K10J

HOUSTON, TX

QRP-L #732

..

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [12931] KH8 40m
Message-ID: <199702241456.0AA22680@chuck.dallas.sgi.com>

Gang,

Just to show you what 2W on a modest antenna will do.

This morning (and I mean morning early) I worked a KH8 with 2W. No pileups to breakup (hey, who in the world is up at 0800 or so UTC?) and he heard me with no problems but during the QSO that followed I mentioned that I was running 2W and he thought that his beam rotator had broken 'cuz he wasn't getting me better than 559. :-). Guess he works a lot of QRO stuff where the other guy is 30+ over S9.

OK, DXCC count up to 10. Rig was the OHR100 on 40m.

And, gang thanks for all the offers to send me
to EU. Must be during QTTF contest. The best I've
been able to do on RUFZ is just over 30K. Don't know
if that is good enough. I don't like random code
groups.

dit dit

SIG

Chuck Adams K5FO adams@sgi.com DXCC=10
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: [12938] Listening (was "The Letter"...)
Message-ID: <Pine.SUN.3.91.970224100040.358A-100000@ncrsun1>

I know this can be stated on the list at times by the "experts"
(you folks know who you are), but one thing that operating QRP
(for as short as I have) and reading QRP-L
has taught me is the need to LISTEN to the airwaves. When I
first got on the air, QROp with a whopping ~40watts with my
then HW-16, I was basically insensitive to the fact that
someone may already be on the frequency, too weak to be
evident. Since then I've become very sensitive (or at least
trying to be) to even the slightest hint that someone may be
on my frequency or even close such that I might interfere.
And operating with a direct conversion receiver (even a good
one like the Ten Tec Century 22 with audio filter that I have),
I have become very sensitive to the audio bandwidth that
strong signals, whether QRO or QRP, can take up. I kinda wish
everyone could be a bit weaker, or at least not so loud :-).

Now how can we stress this?

Maybe "sensitivity" should in fact be the subject line to this
post.

Cheers/72. Kevin, KB9IUA, QRP-L
home: kb9iua@juno.com.
I gave eight folks FYBO points.

* * * * *
Kevin L. Anderson Ph.D., CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Division-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone: (309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

* * * * *

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Dave Adams <adamsclan@netgate.net>
Subject: [12953] Meter needed?
Message-ID: <3311EF10.82B@netgate.net>

Greetings! I repaired my power meeter with superglue and was rudely
reminded the next morning of the out-gassing nature of the cyano
glues...

So....I need to find a replacement meter for my HW8...it still works,
but hard to see thru...anyone have one lying about? Heath used this
same meter for MANY kits...

73 de dave, n9uxu

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Paul F. Young" <pfy@axe.intercall.com>
Subject: [12923] Mods for NW8020
Message-ID: <3.0.32.19970223165504.0068decc@mail.intercall.com>

Qrp

Anyone have experience with mods for Emtech NW8020? I just picked one up. If
so can you describe them or tell me where to get a hardcopy or downloadable file
of them. I already have the audio filter mod. it has a keying circuit but nothing
fancy. I would like to ad some type of keyer like a "tick" keyer or KC-1 keyer (no
room for KC-2).

Thanks in advance for any help 72/73

<color><param>0000,8080,0000</param>Paul F.Young KC2AHB

pfy@mail.intercall.com ,76716.722@compuserve.com

Ramapo Mt. A.R.C, S.A.R.A. (N.J.)

AKQRP #042 QRP-L #881 NJ-QRP #48

</color>

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [12950] Moving on now,
Message-ID: <19970224.111819.6718.4.gsurrency@juno.com>

I agree with Mike. As I said in the other posting, different strokes
for different folks. Please let the thread die. Diversity, whether when
used for antennas or people, is a good thing.

(on another much-needed topic),

Have any of you QRPers got your OHR100s yet? I know Chuck
must have got one, since his fine posting and color pictures recently
appeared here and on his home page. Dick at OHR told me over
the telephone last week that some (all?) of the OHR100 orders would
be held up for a week or two waiting for the cabinets to arrive from
his supplier. Being the gent that he is, he isn't debiting anyone's
credit card until he ships them, so not to worry. I assume the same
thing is true for payment by check, not sure.

First person to get one, please post so we can all start looking for
ours.
Thanks.

adios,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [12922] N4BP (+ W40VU), FYBO Results (long)
Message-ID: <Pine.SOL.3.91.970224041500.15772A-100000@hyper>

Freeze Your B_____ Off Winter Field Day Summary

Call Used: N4BP	Callsigns of Operators: N4BP, W40VU
Category: Multi-Op	Number of Novice/Tech QSO's: 0
QTH: FL	Highest Power: 5W Lowest Temp: 70F
Rig: TS-130V	Antenna: Horizontal trapped vertical

126 QSO's, 127 QSO points

34 States, 3 Provinces, 3 Countries = 40 S/P/C

Mults: Field Location X4, Battery Power X2, 60+ F X1

Final Score: 40,640

Comments (long):

For the past thirty years I've been considering an operation from the 550 foot platform of the 1000 foot transmitter tower of WPLG-TV in North Miami. The closest we came was a few years ago when we sloped a half wave 160M dipole from the platform to the woods north of the transmitter site. It was a dismal failure even though we also ran out a 500 foot Beverage.

Even before the FYBO was announced, W40VU and I decided that this would be the year for a Field Day effort from that platform. The FYBO was perfect for a trial run! We hastily made our plans, gathered what we thought we would need, and headed for the TV tower at about 9AM on Saturday. It took us two trips to transport all our goodies up to the platform. The elevator inside the tower is quite cramped, so Bruce ran the controls from inside the cab while I carried our two plastic lawn chairs on the roof.

On the ground, the wind was very light, but quite brisk from the South at 550 feet. We found a relatively sheltered spot behind some equipment cabinets to set up our table and chairs. We first set up the station - TS-130V and notebook computer with a deep cycle marine battery under the table. We next attached the antenna. I had miscalculated the diameter of the rail on the platform and my antenna bracket was too small to fit around it. So we simply attached the mounting bracket to one of the smaller angled cross members. The antenna to be used was my old faithful 4 band trapped ugly vertical, made about thirty years ago from a discarded tri-band Yagi. We mounted it in a horizontal position, broadside to the NW/SE and supported it near the top with nylon string tied to the tower. A second string was attached to keep it from swaying. No attempt was made to tune the vertical, but the SWR was already within acceptable parameters for all four bands.

Setup was completed at 11:45, just 15 minutes before the start of the FYBO. No time to try any test QSO's, just a quick briefing on the rules and how the computer logging would be handled. A quick check of 15M determined that we would begin operation on 20M. We got off to a slow start, but it seemed like our setup was working about as well as we could do. After about 50 Q's, our notebook computer started beeping and then the screen went dark. Later we determined that the 7V outboard regulator had gone intermittant. Fortunately,

we had prepared for that possibility and went to paper logging.

We both struggled desperately to pull many weak signals out of the noise, often without success. It became obvious that we were getting out much better than we were hearing. The high noise levels were from two categories. The tower has many commercial antennas side-mounted at various levels including an antenna at 750 feet for WLYF-FM. There has to be an incredible number of intermod products generated with all these transmitters being keyed off and on. Another noise source was the elevator cable - 1000 feet of cable inside the tower swaying with the wind. I've noticed in the past that, when travelling by the WLYF antenna on the roof of the elevator, I could draw an arc from the cable with a screwdriver. Much of our noise must have been from that cable brushing against the inside of the tower.

The weather was both a curse and a blessing. Our score had no chance of being competitive with a X1 temperature multiplier; it never dropped below 70 degrees. But it was a beautiful, clear night with a full moon. We had a fantastic view of the city lights in both Miami and Fort Lauderdale, and barely needed even a sweater to keep us comfortable. For meals, Bruce hit the local Wendy's to bring us lunch, and later I took the trip down the elevator to procure dinner at Popeye's.

We quit at about 10:45PM since we knew it would take us some time to get all our gear to the ground and back home. It turned out to be a wise move considering the comedy routine we were about to execute. The first load was transported to the ground without incident leaving only the table and chairs for the second trip. At the platform, we maneuvered the chairs between tower struts to the top of the elevator while Bruce held the table inside. The table was simple to unload at ground level, but we struggled with those @#\$\$%^& chairs for a good 15 minutes, trying to figure out how to get them to the outside of the tower! It had to be a funny site (if anyone were watching) to see us rotating them in every possible position and try various areas of the tower to fit them through. We finally made it and took off for home at about 11:30.

All in all, a successful operation. Even if we can't improve on the receiver noise situation, we should do much better in the "real" Field Day since a great number of the stations to be worked will be in the 100W category. We are even contemplating a return next winter to try a 160M contest...

Thanks to all the stations who responded to our many requests for repeats during our QSO's! Apologies to those we just couldn't pull through. Maybe now you understand why we seemed to ignore you, it wasn't intentional! Hope y'all had as much fun as we did. And last, but not least, many thanks to the Phoenix ScQRPions and AB7TT for coming up with the FYBO!

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [12944] No Envelopes needed for Crystals
Message-ID: <1.5.4.16.19970224100247.107f3e96@telis.org>

Guys, both Jim and I really appreciate your willingness to help out, but it is much easier for us if you do not send an envelope for the crystals. Just email me your need for one and your snail mail address. I will mail them out as soon as I get your address and the crystals (supposed to arrive today). The crystals must be sent in a padded envelope, or our friends at the Post Office will rip the envelopes up in their automatic mail sorting machines. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Richard Wilkerson <richqrp@cts.com>
Subject: [12958] not qrp
Message-ID: <3311F7AD.A4A@cts.com>

could someone please tell me if there is a place where I can get a manual for my old TRS-80 computer, Just for laughs trying to get in back on line.

thanks rich

--

Rich Wilkerson, WD6FDD, Santee, Ca.
ScQRPions

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Tom Quayle" <tquayle@montana.com>
Subject: [12892] Oak Hills Research 30 meter QRP kit For Sale
Message-ID: <199702240130.SAA14710@paw.montana.com>

I have a new, unbuilt Oak Hills Research QRP transceiver kit, including the iambic keyer circuit. All parts, etc., still wrapped, in unopened packaging. Sell for \$ 170.00, shipped insured to your QTH.

Please reply via e-mail,

Thanks,

Tom Quayle - WN7ECL - Butte, MT

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [12899] Optimize 38S (Very Long)

Message-ID: <1.5.4.16.19970224031857.36471748@mail49.mci2000.com>

--Boundary (ID Ah14YUrwIcY7Q7t5Tlf0Mg)
Content-type: text/plain; charset=us-ascii

Gang...as promised, here is the documentation that I have written concerning how I have modified my 38 Special. I know it is quite long, and I hope all of you have the ability to use attached files. If you are one who doesn't, e-mail me and I will send it directly. Webmasters and mistresses are welcome to post it, but the information must stay intact, including the author and people credited.

72, and hope someone finds it useful!!

Jim

--Boundary (ID Ah14YUrwIcY7Q7t5Tlf0Mg)
Content-type: text/plain; charset=iso-8859-1
Content-disposition: attachment; filename="38SPMODB.TXT"
Content-transfer-encoding: quoted-printable

K8IQY=92s Optimized 38 Special

First of all, I=92d like to say that I have had many, many private=20 conversations over the past few weeks with Ori Mizrahi-Shalom,=20 AC6AN, and Glen Leinweber, VE3DNL about many of the changes that=20 I have included in this article. Glen is the one responsible for=20 all of the changes to the audio amplifier, and these were posted=20 to the QRP-L gang via one of his posts. These discussions have=20 been both enlightening and most useful in working out some of the=20 details. I also have included many original ideas that we never=20 got around to discussing, due to other priorities in our lives.

Here is a rundown of the changes in my version of an =91optimized=92=20 38 Special. I=92ll list them, and then take them one-by-one and=20 discuss how to implement each, with details on building.

Modification Overview

- Optimized front end filtering, to reduce 12Mhz bleed through
- Adjustable VX0 lower frequency setting capability
- 2 pole, 500Hz bandwidth crystal filter
- 900 Hz audio filter
- Optimized transmit preamp stages
- IRF510/MTP3055E 4 watt final amplifier

Optimized final low pass filter TiCK keyer implementation

The reason for this order is that it basically follows the layout of the schematic, and the radio. Hopefully, it will aid in following and understanding what the changes are, and why they were made. Each modification will list the original parts affected. Then I describe what needs to be done to duplicate my 38S.

Optimized front end filtering:

Parts affected - T1 and C4. The reason for this change was to minimize the amount of feed through that I was hearing from stations on or near 12Mhz when band conditions were enhanced. Input transformer, T1, is wound with a 2 turn primary and a 17 turn secondary. Capacitor C4, changes value from a 0.01uF, to a 10pF unit. The combination of tuned transformer secondary and coupling capacitor match the input impedance of mixer U1, and keeps the bandwidth of the input filter as narrow as practical, consistent with adequate signal coupling.

Adjustable VX0 setting capability:

Parts affected - L1. The reason for this change was two fold. I wanted to get as much range out of the VX0 as was practical, and easily adjust the lower end to 10.1Mhz. This was accomplished by making L1 a 10uH choke connected in series with a 5-45pF trimmer capacitor. The choke was installed vertically, using the right PC board hole. The trimmer was installed vertically also, using the left PC board hold. The lead from the top of the choke was connected to the top of the trimmer, and the job was done. A 6.8uH choke would also work, but I didn't have any of those. The lower end of the band can be easily set by adjusting the trimmer. With this arrangement, I get 23Khz of coverage. As a side note, my 38S does not have the RIT installed. I didn't feel it was needed with the limited coverage of the main tuning.

2 pole, 500Hz bandwidth crystal filter:

Parts affected - C9, X2, R6, C10, C17, X3, C21, R9, and D6. None of these original parts are used except R9, which will be installed vertically. More on that later.

This is an ASCII rendition of the new filter. It uses 2 series mode crystals in a mostly conventional "ladder" arrangement. The only departure from a traditional ladder configuration is the output capacitor which is a parallel element, instead of the usual series element. This was done to properly match the input of mixer U3, which is 1500 ohms.

the bottom on the PC board along with the two 270pF capacitors, as described above. The 220pF output capacitor goes in the C10 location. A wire is used at the C17 location.

This takes care of the filter itself, but to make it work properly, we have to make changes to the second mixer, U3, also. (Nothing is ever easy is it!)

A third crystal is used for X3. At the location of capacitor C21, we install a 4.7uH choke connected in series with a capacitor of between 82pF and 120pF. The capacitor value depends on where the crystals in the filter, and X3 are in frequency, relative to each other. I ended up using a value of 100pF, and the passband was just about perfect. Some experimenting will be required here, or just use a 100pF value and see how it sounds. The choke is installed vertically in the left hole provided for C21, the capacitor is installed vertically too, in the right hole. The tops are connected together. This point will also be connected to the switching transistor described below.

Finally, to make it work, we need a transistor to switch the capacitor out during transmit so that the offset is correct. Exactly the same approach Ori used. However, I found that diode D6 didn't switch well enough, so a 2N3906, PNP transistor was used. Install R9 in its right most hole, and leave the vertical lead for a moment. Bend the emitter of the PNP transistor so that it is pointing 180 degrees from the base and collector leads. Install the transistor base into the hole marked for the cathode (bar symbol) of diode D6. The collector lead can go into one of the spare ground holes nearby. The emitter is connected to the top lead of resistor R9, and the resistor lead is also brought around the transistor case and attached to the junction of the 4.7uH choke and the 100pF capacitor.

This completes the filter installation. For reference, the crystals I used are from Mouser, part number 520-HCA1200-S, and are a 12 MHz series unit made by ECS. I also bought 4 crystals made by Fox, but they are lower in Q than the ECS units, and are not recommended.

There is one artifact with this configuration. The transmit offset is shy of the required 900Hz by a few hundred hertz. What does this mean. If you call a station, he will probably use his RIT to tune you in optimally. If you call CQ, the returning station will be about 350Hz lower than you would like him to be. Don't return him, cause you will find him chasing you all over the band. This small problem will eventually be rectified, but at the moment, its solution is waiting to be discovered!

900 Hz audio filter

Parts affected - C15, R21, C35, C36, and R24. These changes should be made if the 2 pole crystal filter is used. Otherwise the passband tuning established earlier will not be correct. Capacitor C15 uses a value of 0.1uF instead of the original 22uF. This reduces the low frequency coupling into the filter. Resistor R21 uses a value of 680 ohms. Capacitors C35 and C36 are 0.047 or 0.05uF, depending on what you have in your junkbox. Either will work fine. Resistor R24 is a wire to increase the output audio level for lower impedance headphones.

Optimized transmit preamp stages

Parts affected - L2, C25 and C26. The number of turns on L2 is shown as 20 turns. My experiments have shown that this is one too many. L2 should be wound with 19 turns to get it to resonate correctly with the component values specified. To reduce the low frequency coupling from the 2N3904, pre-driver to the U4A stage, capacitor C25 is reduced from a value of 0.01uF to a 330pF unit. This change will prevent the transmit control waveform from being passed through the succeeding stages. I think this is one of the mechanisms responsible for the IRF510 heating problem posted to the QRP-L reflector. Capacitor C26 should also be a 330pF unit to properly load the output of U4A. A 270pF capacitor should be added to the output of the U4B stage. This capacitor can be installed either on the bottom of the PC board, or if you do your final amplifier using my approach, you can install this capacitor in the top holes provided for R101 and R103, since these parts are not used.

IRF510/MTP3055E 4 watt final amplifier

Parts affected - C101, C102, R101, R103, and Ferrite Bead. Although most will probably use an IRF510 for the final, I used a Motorola MTP3055E MOSFET. I have several of these, partly because Motorola has a PSPICE model available for this device. It is not unlike the IRF510/511 series of devices.

First, cut the trace on the bottom of the PC board as indicated for the original 5 watt modification. In my version, C101 is not used, a wire jumper is used instead. A wire jumper is also installed for C102. This grounds the lower end of the 220 ohm resistor (R102) directly. Another one of the mechanisms responsible for the excessive IRF510 heating may well be the effect of using C102 and R103. These components integrate the 0 to 8 volt r.f. switched drive to the gate of the IRF510, causing the bias on the gate to run at nominally 4 volts. On many units,

this bias level can cause excessive drain current. R101 is not used, nor is R103.

I also did not use the ferrite bead on the gate lead as shown in the original modification. My reading has lead me to believe that this causes instability, instead of reducing it.

This final amplifier implementation, along with the optimized low pass filter, renders a final that is clean, efficient, and free from parasitics. Mine runs 3 watts when on battery power, and 4 watts when on the bench supply at 13.8 volts. More importantly, I can run solid carrier for 30 seconds, and the MTP3055E is just slightly warm to the touch, using a small, finned, heatsink.

Optimized final low pass filter

Parts affected - C505, L3, and L4. There have been numerous posts to the QRP-L reflector regarding whether to use a capacitor at C505, and if so, what its value should be. I ran my filter modeling program and designed a low pass filter, which preserved the original values for C28, a 820pF capacitor, and C29, a 560pF capacitor. My output filter uses another 560pF capacitor for C505. In addition, inductors L3 and L4 are wound with 13 turns instead of the original 8 and 14 turns respectively.

One of the objectives that I wanted to achieve was to reduce the 12mhz component getting through the filter, since this is one of the unwanted byproducts coming out of the 2nd mixer during transmit. The 12Mhz component is not highly attenuated by the filter in the input of the 2N2904 pre-driver stage, so the output filter must take care of as much of what get through as possible. Based on testing with the signal generator, this filter is about as good as you can get for 5 poles. The 12Mhz component is attenuated about 15 dB, without substantially reducing the 10.1Mhz component.

TiCK keyer implementation

Parts affected - D8, R15, R16, C31, R17, C32, and R18. This modification starts with cutting the PC trace between U4E and resistor R17. Just follow the instructions in the 38S manual. Another trace needs to be cut, which disconnects a side of capacitor C32, so that it no longer feeds point "A", as show on the schematic. The correct location involves the right most end of C32 (looking at the bottom of the PC board) from the trace that connects capacitor C15 to resistor R19. This disconnected point is then rerouted to the other side of R19, using a wire on the bottom of the PC board. Components D8, R15, R16, and C31 are not installed. Components R17, C32, and R18 will use different value from those shown on the schematic.

Install the TiCK keyer chip along with the components shown on=20
the TiCK schematic. R17 will need to be a 10M resistor. C33 uses=20
the original 0.01uF value. R18 becomes 4.7K, and C32 uses a 0.1uF=20
capacitor. These values give a good sidetone telemetry level,=20
but are still a bit too loud when transmitting. Somewhere, there=20
seems to be another path that the audio is getting into the audio=20
amplifier, other than the path we just provided.

That=92s all the changes that I have installed to date. How all of=20
it performs is a matter of opinion, but in the week that I have=20
been running this configuration, I am delighted with the results. =20
I=92d still like to find the source of the ubiquitous "thump" that=20
we all are hearing. And I=92d like to track down the reason the=20
sidetone is so loud during transmit. But these are minor=20
annoyances.

Overall, the 38S is a really solid performer, even without the=20
changes that I have made. I admire and appreciate the clever=20
design Ori brought to the original configuration, and forethought=20
to include room and allowances on the PC board for just the kind=20
of changes I have described. With the changes, this =91lil rig=20
really performs. I=92ve had numerous contacts with it, and=20
repeatedly am astonished at the 579 to 599 reports I get, and the=20
comments about being impressed with what 3 watts can do.

Have fun....see you on 30 meters with your 38S

Copyright - February 23, 1997
by Jim Kortge, K8IQY
PO Box 108
Fenton, MI 49430-0108

--Boundary (ID Ah14YUrwIcY7Q7t5Tlf0Mg)
Content-type: text/plain; charset=us-ascii

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com	__o	Cascade 17/40 SSB
Fenton, MI	_'\<	Mizuho 17/40 SSB
...	(*)/(*)	...

--Boundary (ID Ah14YUrwIcY7Q7t5Tlf0Mg)--

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Bob Liesenfeld <wb0poq@visi.com>
Subject: [12960] QRP "Letter"
Message-ID: <3312072C.61BE6E32@visi.com>

Well,

Time to put in my 2 cents... YOU (whoever "you" are) choose to get a ham ticket. YOU choose what band, mode, etc to operate. YOU choose to answer a particular CQ. YOU choose to run QPP or QRO.

The day the "radio police" break down your door, and force the cans on your head, and force you to run QRP or listen to a S1 signal, then it's my opinion that if you don't like working to pull out the weak ones....don't answer the weak ones. If you don't want to have to work hard to make QSOs, run QRO. Only YOU can control what you do with your ticket, not the OM or YL on the other end whether they are QRO QRP or whatever.

--

Bob Liesenfeld
wb0poq@visi.com

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [12936] QRP mobile, a natural combination
Message-ID: <Pine.3.89.9702241004.B8239-0100000@w3eax.umd.edu>

Having spent a VERY good week of interstate driving, I'd like to announce that I worked AA8EB, W4DON, and KG8SF, 40m QRP-to-QRP, mobile-to-fixed.

My hats go off to EVERYONE who made the effort to copy my tiny signal.

So why do I say "QRP MOBILE" is the perfect combo?

100w vs. 5w = 13 db difference. With the amount of noise (electrical, wind, tire-on-pavement) in the mobile environment, one could assess that this adds up to a difference of 13 db, or about 2 S-units.

Thus, in a mobile setup, if you can hear 'em then you can pretty much work 'em because your receiver is "handicapped" - effectively mimicking the handicap to be experienced by the other guy because you're intentionally putting out a signal that's at -13 db compared to 100 watts.

(so long as the other, fixed station doesn't have very high noise levels)

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *

*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [12954] QRP/Mobile
Message-ID: <01IFSN8XJ0W28WWIGJ@tntech.edu>

OK,

my dandruff is up.

Scott R. is suppose to be one of us, and here he goes spreading nasty rumours, like it should be hard to actually work someone on QRP/M. Sounds like the guy in QST who wrote those most appropriate comments about the nerve of those guys with tiny signals actually intefering with real ham radio.

Well guess this comes down to a psychological discussion. Much like all the basic principals of developing positive self-esteem. If you grow up and you are told over and over again you can't do something, you tend to develop a very sophisticated network of memories and notions that you can't do anything. Some people at various times in their lives, stumble across the fact that these conceptual frameworks may be somewhat warped.

Now my momma always told be I could do anything and do it better than anyone else, if only I had enough desire. I didn't know any better growing up and always believed her. Pretty much not much has stopped me yet.

Well this attitude carried over to QRP. I had an Acura Integra, I took out the glove box, mounted what use to be the top of a toaster oven in its place. On top I bungy corded an Argonaut 509, a small real "ugly" construction keyer and audio filter. I worked both CW and SSB at from 2-4 watts. I used about every type of antenna made in the years I ran it that way. I NEVER much had trouble working anyone. Now when conditions were bad, SSB might not have been the greatest. My believe is that if you aren't overly choosy about who you talk to, you will be able to talk to someone. I use to have the paddles strapped to my leg, while driving a stick shift around town and work contacts on the way to lunch. If the converstation got real good, I just pulled off (since then all my cars are automatics :-)

Me again. I apparently caused some extra work for Doug and Jim with that last posting on the SST. (Isn't the Internet great? You can make thousands of mistakes at once! No waiting!)

***** Here's the scoop:

Because of the timing of the SST, it WILL NOT be kitted by Doug Hendricks and Jim Cates. Please do not send them any SST questions. Instead, send your questions to me, here at my home e-mail address:

svecbrdk@well.com

Why? Doug and Jim have worked (if not Frozen) their butts off doing 38-specials, and 40-9ers before that. I asked them if they thought the SST should be kitted by NorCal, and the answer was a worn-out "We'd like to, but...." They deserve a break!

In lieu of NorCal, Bob Dyer of Wilderness Radio has taken on the task of kitting the SST. He will take all the orders, too. So, while the SST is a NorCal/QRP-L field test, and will appear in QRPP, it is not a NorCal kit. The club price (see below) is good until May 1st, 1997.

By the way, Bob is not new to field-test kit runs: he did all of the band module kits for the original NorCal Sierra.

PRICE AND KIT INFO

The SST is going to be supplied only as a complete kit -- no partials. It includes a high-quality double-sided and silkscreened PC board; a custom, unfinished .050 aluminum enclosure with hardware; all controls, connectors, knobs, rubber feet, etc.; detailed manual; and all parts for your choice of bands.

The club price for each SST is \$69. TO GET THIS PRICE, orders must be received by May 1st. All kits ordered at the club price will be shipped after May 1st, probably in late May. After May 1st, the SST will be available as a Wilderness Radio kit for \$85. I will be updating the design at that time based on results from the field test.

Bob will accept orders beginning now, but none will shipped until May.

ORDERING INSTRUCTIONS

1. Please enclose \$69 per kit ordered before May 1st, and \$85 thereafter.
2. For each kit ordered, you must specify the band: 40m, 40m/novice, 30m, or 20m. (Remember, this is a VXO-based transceiver, so the rig does not cover the entire CW band. Approximate coverage is: 40m, 7.032-7.042; 40m/novice: 7.105 - 7.115; 30m, 10.105-10.120; 20m, 14.046-14.064. Other ranges are possible with small modifications.)

3. California residents must add 7.75% sales tax.
4. Shipping charges are extra: \$3 U.S., \$5 Canada/Mexico, \$15 DX (other). This is a per-kit shipping charge.
5. Please make out checks to Wilderness Radio, NOT NORCAL. We'll also need your name, call, address, phone number, e-mail address.
6. Send U.S. funds only (checks drawn on US banks, or an international money order) to:

Wilderness Radio, P.O. Box 734
Los Altos, California 94023-0734, USA

If you have questions send e-mail to me (Wayne Burdick, N6KR), or call Bob Dyer at (415) 494-3806 (9AM to 6PM Pacific time, M-F). Thanks for your patience and 73,

Wayne
N6KR

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: cjl@mail09.mitre.org (Charles J. Ludinsky)
Subject: [12942] SWR bridge in Rainbow Tuner
Message-ID: <970224113509.2481@mail09.0>

The circuit diagram published in the last QRPp for the Rainbow Tuner shows R5 to be 51 ohms. The Parts List in the article lists this as 10K, which is probably the correct value, since the circuit shows C2+R5+C4 as being in parallel across R2 in the comparison leg of the bridge. Since R5 is shown as 51 ohms, the series combination of C2+R5+C4 would be around 51 ohms (at, say, 10MHz) and the impedance against which the antenna would be compared would be more like 26 ohms, rather than 51 ohms. If working from the article, please note the disagreement between the diagram and the Parts List.

72, Chuck, K1CL

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: v31ry@ix.netcom.com
Subject: [12966] Test
Message-ID: <1997224145353219169@ix.netcom.com>

Test

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: QLF@mimi@magic.itg.ti.com
Subject: [12896] TiCK ON 9VDC
Message-ID: <9702240254.AA00303@itg.ti.com>

From: Brad Bradfield QLF

Subj: TiCK ON 9VDC

>From: Robert Paschal <r-paschal@worldnet.att.net>
>
>I'm building one TiCK as a "stand-alone" keyer. The construction manual
>calls for a 12v supply. I would like to put the whole thing, including a
>9 v battery in a Celestial Seasonings tin. Has anyone tried running the
>TiCK with the 78L05 on 9 volts? The only data sheets I have (1975 vintage)
>are for the LM78L05C and LM78L05AC and show a typical minimum dropout
>voltage (Vin-Vout) of 1.7v which suggests that it might work. Would
>appreciate any comments -- even those that point out how little I really
>understand about the situation.
>
>Thanks,
>
>Bob AA0MC

I'm running my TiCK on a 9V transistor radio battery and it works fine. The
78xx series typically require a couple volts of headspace to work, i.e.
anything greater than 7V should work.

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE
(H) 817-321-2960
(W) 972-462-6230

Electrical Design Engineer
Texas Instruments, Inc.
(Soon to be: Raytheon/TI Systems)
Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [12969] VHF Licences in Southern Ireland

Message-ID: <970224223116Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/

ADMD=CWMAIL/C=GB@MHS>

Dear All,

I wonder if anyone can help me with a question from a friend who is due to visit Eire (Southern Ireland) soon?

He has applied for an EI call and been told that he should use the standard format of EI/<own call> whilst there, however, part of the limitations are that portable and mobile operation is only allowed in "Primary Amateur Service Bands". Do the "Primary" bands in Eire include 50MHz, (6M), 70MHz (4M), 430MHz (70cm) and 1.3GHz (23cm)? Some of which are "Primary" in the UK (like parts of 6M) and others are "Secondary" in the UK, but "Primary" in other countries (Like parts of 430MHz and 1.3GHz).....

Any help on what is a "primary" and "secondary" bands under normal EI licences would be useful information.

Thanks de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: Bill Acito 24-Feb-1997 0915 <acito@asdg.ENET.dec.com>

Subject: [12924] W1PA, RSGB 7MHz Contest

Message-ID: <9702241418.AA07410@us1rmc.bb.dec.com>

As I am recovering from a nasty fall in a parking lot, I wasn't able to venture out for FYBO, but I did sit in on the RSGB 7MHz contest over the weekend. I worked 10 G and GW stations in two hours using 5 watts on my 757GX and a Gap Titan. Only two stations asked for repeats, and most gave "FB" when I signed

"QRP".

Also worked 9Y5T on 40m CW QRP.

Even though my elbow aches, the most painful was trying to work the Z37 (Zimbabwe?) on 40m, calling CQ G. I tried to work him anyways (as well as many others), thinking it might be some fancy G call (like M0ARC), and he gave me a "G only"... well, at least he heard my five watts.

b

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [12927] W60BB/HAARP/CW/March 8, 1997 UTC/CW
Message-ID: <19970224.074121.4447.0.wa5whn@juno.com>

QRP-Lers,

While driving home last night, I was tuned to a local 50KW blow torch (KKOB-770 KHz, AM-Albuquerque, NM). Every Sunday evening, @ 8:06 PM MST (Monday morning, 0306 UTC), W60BB has a syndicated show called "Dreamland". I am usually paying attention to the road, trying to dodge drunk & idiotic drivers in the "Catatonic State" (New Mexico). W60BB, Art says "Standby all Hams & prepare to copy". Whoa ! I pull off to the side of the road & (I wish I had my tape recorder) copied the following;

HAARP (Gakona, Alaska) will have test broadcasts on March 8, 1997 (UTC)

0430 UTC	6.99 MHz	Carrier	Antenna pointed up
0435 UTC	6.99 MHz	CW	Antenna pointed up
0440 UTC	6.99 MHz	Carrier	Antenna pointed SE
(Southeast)			
0445 UTC	6.99 MHz	CW	Antenna pointed SE

(Southeast)

0450 UTC	3.40 MHz	Carrier	Antenna pointed up
0455 UTC	3.40 MHz	CW	Antenna pointed up

cw @ 10 wpm

If You need detailed information about W60BB's show, point Your' Browsers to the following URL;

<http://www.artbell.com/>

If You are interested in HAARP, point Your' Browsers to the following URL;

<http://www.altavista.digital.com/>

Type in "HAARP" , without the quotes, and You will see a list of references to HAARP.

WOW ! A US Government facility (at full power, will be several billion watts), in Gakona, Alaska, will be using CW. They will be steering that array SE (towards North America), from Gakona, Alaska. W60BB claims that they will QSL. Art had mentioned one other URL;

<http://www.earthpulse.com/>

Talk about QRO (emphasis on the Big O).

72...Jay, WA5WHN,

Albuquerque, NM

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "HS2JFW/QRP,Joe" <a37s0112@orchid.bu.ac.th>
Subject: [12894] Worked 5X1P
Message-ID: <Pine.SOL.3.95.970222234132.12613A-1000000@orchid.bu.ac.th>

Hello all friends,

Last night I work 5X1P ,Uganda, His name is Joe. He 579 in Bangkok He give me also 579. He's on 14.050 Mhz (Time is 15.56Z). Worked him with 5 watts (MFJ-9020) to Inverted-Vee antennas. He's very loud here. I got his maneger is G3MRC. Good luck.

He's my new country (#87).
Joe 73/72

```
*****
Pornchai Semjang ,Joe                QRP-L #938
HS2JFW , N3YGP                      QRP-HS#1
Bangkok University                   or hs2jfw@hotmail.com
a37s0112@orchid.bu.ac.th or hs2jfw@amsat.org
                                   or hs2jfw@callsign.net
HomePage "http://www.geocities.com/Hollywood/7227"
*****
```

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: ckrelic@bellatlantic.net
Subject: [12972] Re: "The Letter"...What's the hubbub?
Message-ID: <33121A2F.EE5@bellatlantic.net>

Mike Siegel wrote:

```
> Frankly, I'm surprised and more than a little disappointed in you folks. Some
> rock-headed jerk writes a letter, complaining about his poor receiver and how
> he hates working signals less than S9+; it gets printed in QST, and all of a
> sudden, you guys act like the whole world of QRP is ready to collapse.
>
> Fer cryin' out loud! Isn't anyone allowed to have a differing opinion,
> regardless of how unthinking or ill-informed it might be, without everyone
> taking personal offense?
>
> Suppose somebody came on-line and pronounced your favorite gear to be useless
> junk, based on some sideways experience he had; knowing what YOU know about
> the gear, and understanding where the original complaint came from, what would
> you do? Would his posting cause you to dump the gear, or would you rather
> shoot the messenger (in this case, QRP-L)?
>
> Seems to me that the bottom line here is to let the guy be a jerk, write your
> response to QST, and keep working QRP. AND QUIT WHINING ABOUT IT.
>
> 72/3 to all,
> Mike KI6PR
> El Rancho R.F., CA
```

AMEN AND AMEN!!!!!!!!!! I mean he's a KID, what your excuse.

Curt/Ka3ivb

QRP-L #433

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: ericvia@why.net (Eric Via)
Subject: [12946] Re: "WHY QRP?" GAINING members!
Message-ID: <v01520d00ad54259a7f67@[207.211.121.231]>

Clayton says:

>One thing that this letter clearly shows is that we as a group need to
>improve our Elmering. I ask you, how does a bright young Ham get from zip
>to Extra in 6 months and not be exposed to fun side of QRP? The answer is
>simple, we weren't there to show him!

Well you've GAINED (hmm..is there a pun here?) another young buck who went
from zip to Extra in 6 months!

I promise you guys my first real contact from my first real station
is going to be Q R P !!!!!

>The bottom line is if we want QRP to be perceived well by the general Ham
>community than we have to make a good showing of it and promote it.

Amen brother! Don't you worry - the QRP'ers will come - there is always
going to be the kind of folks like you and me who will stick with QRP!

And many thanks to all of you for your nice warm welcome I recieved from
this list!

72/3 Eric AD4SS

Father, Husband, Writer, Pro-Choice, Anti-Gun-Control,
Ham Op (AD4SS), Beer-maker, Mercedes lover, Spelunker,
South Carolinian, Mac-head, dog-lover, clown, EX-smoker

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

"What country can preserve its liberties, if its rulers are not
warned from time to time that this people preserve the spirit of
resistance? Let them take arms." - Thomas Jefferson

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Claton Cadmus" <aplitech@Spacestar.Net>
Subject: [12929] Re: "WHY QRP?" letter in Mar QST
Message-ID: <199702241451.IAA07590@Spacestar.Net>

Well I too must add my two cents. There has been a lot of messages about how wrong young Extra Class Adam McLaughlin's letter was. So I've decided to write to the other side of the letter. (Point-Counter Point, Shannon you ugly b.tch) If you sit back and reread it, you can see where he has hit the nail on the head.

He's absolutely right when he implies that the Ops on the receiving end are the real QRP heroes. How many QRPer's here have received there 1000 Mile per Watt certificate and failed to see to it that the guy on the other end got one too? Under the rules he is entitled, QRO and all! We as QRPer's need to make it our obligation to see that the QRP contact/QSO is enjoyable for the other guy too. If we can do this every time, QRP contacts will be sought after instead of shunned.

One thing that this letter clearly shows is that we as a group need to improve our Elmering. I ask you, how does a bright young Ham get from zip to Extra in 6 months and not be exposed to fun side of QRP? The answer is simple, we weren't there to show him!

Oh, and one more thing. To those that would say that the ARRL should not of published this letter and feel there is some sinister plot behind it incorporating the QRO manufacturers. Poppycrack! Adams letter was well written and expressed a clear and different opinion, exactly the stuff that should be printed in the Correspondence column. If QRP couldn't stand up to a bit of criticism from time to time, than it wouldn't be worth anything.

The bottom line is if we want QRP to be perceived well by the general Ham community than we have to make a good showing of it and promote it.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
TCP/IP ka0gkc@ka0gkc.ampr.org
Ask me about the Minnesota QRP Society!
<http://www.spacestar.net/users/aplitech/mnqrp/>

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: Larry East <w1hue@amsat.org>
Subject: [12937] Re: Adam KD6POC
Message-ID: <2.2.16.19970224155335.1c37bf48@eloi>

>Hey Guys:

>

>Why are we oicking on him. It's his opinion and he is entitled to it. QRP
>is our opinion. I DO NOT WANT TO BE KNOWN AS BEING PART OF A GROUP THAT
>FLAMES PEOPLE WITH DIFFERENT OPINIONS. Let the thread die.

>

YES! PLEASE!!

I can remember not too long ago when several on this list were bad-mouthing the QST article descripnig the LDG automatic tuner -- complaining that it was just a pitch for someone to make money from a kit. Now look at all the ga-ga posts telling how wonderful the QRP version of that kit is!!

What's the connection? None, really -- but it just seems to me that some of you folks just like to bad-mouth QST about any and everything. You have a complaint? Send it to the editor...

72, Larry.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [12890] Re: charging GEL cells

GEL cells are lead-acid designs. One can charge them forever from a 13.8vdc source without damage. VHS VCR batteries are lead-acid so for anything close to the ampere hour rating of VCR batteries, the VHS VCR battery charger is a good deal. As a matter of fact, I have converted over to VHS VCR batteries for my HT. They are cheaper than the HT batteries, outlast nicads, and have a super ampere hour rating compared to the standard HT nicads. I will never have another dead \$60 nicad battery pack. The VCR battery fits well into almost any pants pocket.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [12963] Re: FOX, TUESDAY
Message-ID: <19970224.155455.16079.3.tahrens1@juno.com>

Hey Ernie - That is TONIGHT, Monday, Local, Right???

Thanks,

Tim W5FN

On Mon, 24 Feb 97 14:45:07 PST GREGOIRE@endor.com writes:

>Hello Gang,

>

>I will be the "Fox", on tuesday evening from 0100 to 0300 utc.

>

>Frequency will be about 7.037 +- qrm.

>

>I gotta go have a nap now, went skiing with the grand kids

>this morning.

>-----

>de AA1IK, Lead by example.

>Ernie Gregoire

>

It is better to pull a string,
than to push it.

>

>R.R. 1, Box 221,

>South Rd.

Fists # 2644, N.E.QRP # 202

>Canaan, NH. 03741

QRP-L # 95, Fly fisher & tier,
Promise Keeper.

>

>

>E-mail address: gregoire@endor.com

>

>packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

>

>-----

>02/24/97 14:45:07

>

>

>

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: "T. PETTIBONE" <tpettibo@NMSU.Edu>

Subject: [12897] Re: HERE YOU GO, CHUCK!

Message-ID: <Pine.A41.3.95q.970223200826.79274A-100000@hector.NMSU.Edu>

A CW listening contest? Hey, I'll spring for a few bucks to ship Chuck to Bulgaria for a few days (weeks?) or maybe SGI would be happy to get him out of the country for awhile!

Tim K5OI

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [12901] Re: HERE YOU GO, CHUCK!
Message-ID: <33110E02.170F@dancris.com>

Right on! If everyone on the list donated a couple of bucks, we could pay Chuck's travel and expenses. How 'bout that?

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [12906] Re: HERE YOU GO, CHUCK!
Message-ID: <3.0.16.19970223195646.26e7a4ea@mail.lightside.com>

I don't know why anyone would want to send Chuck away, but if it's for his benefit, tell me where to send the money.

At 20:41 2/23/97 -0700, Roger Hightower Wrote

>Right on! If everyone on the list donated a couple of bucks, we could
>pay Chuck's travel and expenses. How 'bout that?

>--

>72/73 de Roger N7KT Mesa, AZ Grid DM43cj
>NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
>HW-9
>NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383>

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: tahrens1@juno.com

Subject: [12907] Re: HERE YOU GO, CHUCK!
Message-ID: <19970223.215413.4895.2.tahrens1@juno.com>

>Subj: HERE YOU GO, CHUCK!
>
>Here you go Chuck! How about a QRP-L team?
>
>>may enter one of six categories:
.
.
.
>>F--male "old timers," age 45 or older.

Oh, that's just great - OLD TIMERS... I thought
an old timer was kinda like middle-age.. at least
10 years older than you are at present.

'where's my medication?'

Tim W5FN (OT in June)

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: tahrens1@juno.com
Subject: [12908] Re: HERE YOU GO, CHUCK!
Message-ID: <19970223.215413.4895.3.tahrens1@juno.com>

OK, Tim is the Treasurer - let's get Chuck over!
Where do we send the checks?

Tim W5FN

On Sun, 23 Feb 1997 20:10:29 -0700 (MST) "T. PETTIBONE"
<tpettibo@NMSU.Edu> writes:
>A CW listening contest? Hey, I'll spring for a few bucks to ship
>Chuck to
>Bulgaria for a few days (weeks?) or maybe SGI would be happy to get
>him
>out of the country for awhile!
>
>Tim K5OI
>
>

>
>

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [12919] Re: HERE YOU GO, CHUCK!
Message-ID: <Pine.SUN.3.90.970223224833.3166B-1000000@vortex.sage.dri.edu>

On Sun, 23 Feb 1997, Roger Hightower wrote:

> Right on! If everyone on the list donated a couple of bucks, we could
> pay Chuck's travel and expenses. How 'bout that?

I wonder if we could be sure he is there during the next ARRL SS!
(More than one way to beat him!!)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [12932] Re: HERE YOU GO, CHUCK!
Message-ID: <199702241438.0AA22528@chuck.dallas.sgi.com>

Tim et.al.,

You guys haven't been reading the Wall Street
Journal. Have you?

dit dit
SIG
Chuck Adams K5FO adams@sgi.com DXCC=10
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Ed Hare <ehare@arrl.org>
Subject: [12961] Re: I want on the air\!!\!!\!!\!!

Message-ID: <5et137\$lr1@mgate.arrl.org>

ericvia@why.net (Eric Via) wrote:

>Check your closets boys for a down 'n' dirty
>QRP rig that's doing nothing but collecting dust
>and let me know about it via private email - make,
>model, price you want, etc... - I need a rig so I can
>join you fine people on the air!

>72's Eric AD4SS Wylie, TX

Hi, Eric,

It may be preachin' to the choir for most of the readers here , but most "full-power" transceivers can be operated QRP by turning down the drive control. My old Ten Tec can drop down to about 100 milliwatts or so.

QST also ran a recent article that described a few of the QRP transceiver kits. See the June 1996 issue.

--

72/73 from ARRL HQ,
Ed Hare, KA1CV
ARRL Laboratory Supervisor

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [12921] RE:Optimized 38 Special
Message-ID: <199702240715.CAA91061@nss2.CC.Lehigh.EDU>

Jim wrote:

(snip)

Webmasters and mistresses are
welcome to post it, but the information must stay intact,
including the author and people credited.
(snip)

Its on the W W W !!!!
Check it out at URL:

<http://www.magiclink.com/web/shurst>

Near the bottom of the page, click on "K8IQY's Optimized 38 Special " link.

I did it fast , to get it on the web, hope you like it :-)

Nice work Jim !!!!!

73 and good morning !!!

Steve Hurst
KA7NOC
dit dit

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: jeverhar@camden.lmco.com
Subject: [12948] Re: SWR bridge in Rainbow Tuner
Message-ID: <9702241800.AA13375@train11.CAMDEN.LMCO.COM>

Chuck, you wrote:

>The circuit diagram published in the last QRPp for the Rainbow
>Tuner shows R5 to be 51 ohms. The Parts List in the article
>lists this as 10K, which is probably the correct value, since the
>circuit shows C2+R5+C4 as being in parallel across R2 in the
>comparison leg of the bridge. Since R5 is shown as 51 ohms, the
>series combination of C2+R5+C4 would be around 51 ohms (at, say,
>10MHz) and the impedance against which the antenna would be
>compared would be more like 26 ohms, rather than 51 ohms. If
>working from the article, please note the disagreement between
>the diagram and the Parts List.

In short, you are right, I made a typo on the schematic diagram that was printed in the article. R5 is indeed, 10 k ohms and is simply a decoupling resistor for the rectified sample.

I wish that were the only typo in the article! In fact, if you compare the one printed in QRPp with the one printed in the QRP Quarterly, the typos should match :-)

I've had several queries on the typos and I *do* have a list of them. Now that the Rainbow manual is finally done, I should be able to find time this week to post them all on qrp-1.

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [12940] Re: W60BB/HAARP/CW/March 8, 1997 UTC/CW
Message-ID: <19970224.092437.6718.3.gsurrency@juno.com>

And this from the same government that is advocating a 50 watt maximum for the amateur radio service because of concerns about RF exposure and health risks. Your tax dollars at work.

There was an article about HAARP in QST a while back, Sept. '1996.

Maybe we should nominate QRO Adam for duty at this facility.
Maybe we should end this QRO vs QRP thread.
Different strokes for different folks.

Remind me to remove all my antennas from the rigs before they turn that "thing" on in March. Be sure to not use your headphones on the day they test this project. Hope you have AGC.

Wonder what it will do to the aurora borealis?

As George Carlin once said, "Pardon me, I have nothing (more) to say."

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30, AT-11 (QRO and QRP)
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: martin38945@juno.com
Subject: [12943] Re: W60BB/HAARP/CW/March 8, 1997 UTC/CW
Message-ID: <19970224.114302.6423.3.martin38945@juno.com>

Dear Friends,

For those of you interested in HAARP... I would suggest that you pick up the book ANGELS DON'T PLAY THIS HAARP at your local bookstore. It has been over a year since I read it so I may have the title slightly incorrect. The bookstore will know the book if you have them do a search on HAARP. It is a thought provoking book although not entirely objective. You may want to read it and then decide whether you want to

participate in any aspect of the project. It is the opinion of *some* experts that burning holes in the ionosphere is not an altogether good thing to do. But I believe that, at the very least, any unsuspecting QRPers that might want to participate should be aware that there are some that feel the HAARP is dangerous and should not be funded. And this opposing group does include many scientists, engineers and... congressmen.

Just food for thought. One thing for sure... this is NOT the forum to debate HAARP, although Jay's info was certainly appropriate since we, as QRPers, could conceivably be affected by HAARP operation.

Martin W9XN QRP-L #998

>If You are interested in HAARP, point Your' Browsers to the following
>URL;
>
><http://www.altavista.digital.com/>
>
>Type in "HAARP" , without the quotes, and You will see a list of
>references to HAARP.
>
>WOW ! A US Government facility (at full power, will be several billion
>watts), in Gakona, Alaska, will be using CW. They will be steering
>that array SE (towards North America), from Gakona, Alaska. W6OBB
>claims that they will QSL. Art had mentioned one other URL;
>
><http://www.earthpulse.com/>

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: torell@sicom.com (Kent Torell)
Subject: [12945] Re: W6OBB/HAARP/CW/March 8, 1997 UTC/CW
Message-ID: <v02130500af37750c2944@[192.91.202.41]>

Here is the ARRL bulletin on the HARRP transmissions....be there!

Special Bulletin 5 ARLX005
>From ARRL Headquarters
Newington CT February 21, 1997
To all radio amateurs

SB SPCL ARL ARLX005

ARLX005 HAARP to air test transmission for hams

The High Frequency Active Auroral Research Program (HAARP) facility in Gakona, Alaska, will transmit a test signal on March 8, 1997, seeking reports from hams and SWLs in Alaska and in the 'Lower 48' to determine how well the HAARP transmissions can be heard to the south.

During this test, the HAARP facility will transmit on or near the frequencies 3.4 MHz and 6.99 MHz to give listeners the opportunity to listen for the HAARP facility and to claim a QSL card. The test will be conducted beginning at 0430 UTC on March 8 (2330 Eastern Time on March 7).

The format of the test will be to transmit a constant carrier (no modulation) signal followed by a CW message at 10 WPM, according to the following schedule:

TIME	FREQ	SIGNAL	ANTENNA POSITION
0430	6.99 MHz	Carrier only	Pointed up
0435	6.99 MHz	CW message	Pointed up
0440	6.99 MHz	Carrier only	Pointed to SE
0445	6.99 MHz	CW message	Pointed to SE
0450	3.4 MHz	Carrier only	Pointed up
0455	3.4 MHz	CW message	Pointed up

The transmission beginning at 0450 is primarily for Alaskan hams. Reception reports should include signal strength during the constant carrier transmission period along with the text of the CW message.

Complete details on this test and a QSL address will be listed on the HAARP home page at
<http://server5550.itd.nrl.navy.mil/announce.html>.

The HAARP facility--now in the developmental prototype stage--has been undergoing testing since it was completed in late 1994. Multiple transmitters feed multiple antenna elements (there are 48 antenna elements on the site, arranged in eight rows of six columns; however, at this time, only 18 elements are active. The test will use 17 antennas with a net transmitter power of 340 kW). The final configuration could have 180 antenna elements and a combined transmitter power of 3.6 MW. HAARP's stated scientific purpose is to study 'the properties and behavior of the ionosphere, with particular emphasis on being able to understand and use it to enhance communications and surveillance systems for both civilian and defense purposes.' HAARP is managed by the US Air Force and the

US Navy.

For more information, see "'The High Frequency Active Auroral Research Program'" (QST, Sep 1996, p 33), or check out the HAARP home page, <http://server5550.itd.nrl.navy.mil/haarp.html>.

Kent Torell torell@sicom.com 602-483-2867 x230
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A qrp-1 57 ARCI 9075 DM33xn 33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [12904] re: WHAT IS AN SST?
Message-ID: <199702240355.TAA17329@mail.well.com>

>Hi Wayne;
>
>You are talking about QRP SST; Right?

The SST is the "Simple Superhet Transceiver," my follow-up design to the 40-9er, which was a direct conversion rig. The SST has more parts than the 40-9er, but is far better than that rig in every performance category. See my other postings for more details.

73,
Wayne

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: martin38945@juno.com
Subject: [12926] Re: Why QRP aw shucks, just fer the halibut.
Message-ID: <19970224.093301.6423.0.martin38945@juno.com>

Dear Chris and Friends,

>From my original response to Adam's letter:

"I question whether Adam's letter was anything more than him venting his

frustration over some unfortunate experience with a QRPer... or QRPer's in general."

>VF0!!! Yuck! I am a crystal control boy. If you ever come by 7037 I
>will try my hardest to work you. I always give everyone my best shot,
but I
>would prefer it if the QRP people would make it easier on me. I guess
>that my working crystal control on 7037, (close to 7040, the QRP spot)
>I might be asking for it.

There is an old Appalachian saying that describes Adam's situation... usually reserved for folks with otherwise good intentions who find themselves in a predicament such as his... "He went pickin' melons in the tomato patch!" I suggest that we ship Adam some crystals down around 7026... 7015... etc. It would show our good intentions and let him find some folks that he most definitely will not have to dig out of the noise.

And Chris... I hope you obtained Adam's permission to distribute his private comments to you over the QRP-L. If so... I commend you. But as a reminder to others... please be thoughtful enough to let a person, with whom you are corresponding, make the decision about where, when and how their opinions are made public. Respecting a fellow ham's privacy (or anyone else's for that matter) is always the right thing to do. And it keeps the reputation of the QRP community untarnished.

vy 73,

Martin W9XN QRP-L #998

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [12925] Re: Why QRP?
Message-ID: <199702241429.HAA25122@dancris.com>

I got a reply from Adam re the Why qrp? letter in QST. Here is most of his reply to me, and a subsequent reply as well.

It doesn't look like he is going to change his mind, yet.

>>

>>>Thanks for the reply, Adam. I guess the point is that we try to make
>>valuable, viable contacts with the minimum power. Sure, we could do it

>>with
>>more, and I have. In fact, for the first three or so years that I have
>>been
>>licensed (only about 5 anyway), I was all for more power and had much
>>the
>>same outlook towards qrp ops...why? Well, now I can say that it's
>>because
>>it's so much fun! I have reached W. Kiribati on 750 mw ssb, and Japan
>>on 5
>>watts cw. If the other guy can't hear, or copy me, no problem, I'll
>>move on
>>to the next one.
>

And Adam replied:

>I think that I am from a different school. Let me tell you about what I
>am used to. The station that I am used to is located out in Bolinas
>California, (17 miles south of Point Reyes) and it's called KPH. Down
>there the transmitters all run AT LEAST 5KW to gain beams that bring the
>ERP up into the half megawatt range. I really agree with this method of
>thinking.
>The ham transmitter is a Collins 30K-5 which runs 200 watts on 30 meters
>and 300 on 40. The antenna that the Collins has is a 6 Megahertz Dipole,
>up 280 feet above sea level. The masts are 80 feet high, and the masts
>are stuck into a cliff. In a complete circle around you can see the sky
>meet the horizon.
>
>We are trying our best to put out the finest quality signal we can.
>That's where I derive my motto: "If the front end isn't crunching, then
>the signal is not strong enough"
>

So I sent him:

>>
>>CQC Winter QSO Party is on right now, qrp of course. Crank it down and
>>join
>>in...I'd like to hear your call out there.
>
> I'll drop the screen voltage on the Eico's PA tetrode, and we'll see
>what we can do.
>
>

I never did hear him, but I didn't hear much of anything....condx were not too good. But it seems that he doesn't get the point. Either he is

compensating for his rig with the antenna system, or he is compensating for the antenna with lots of power. Seems to have confused quality with quantity. 73,

Bob KI7MN Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: martin38945@juno.com
Subject: [12939] Re: Why QRP?
Message-ID: <19970224.111859.6423.2.martin38945@juno.com>

Dear Bob and Friends,

Come on folks... eliciting E-mail from a teenager with an overactive imagination... and then sitting in judgement over his responses... is beneath us. Bob... does Adam know that you are distributing his comments to the world via QRP-L? And does he know you are adding commentary? This is very unfair to Adam if it happens to be the case.

Here is what I mean about his overactive imagination:

> Let me tell you about what I am used to. The station that I am used to is located out >in Bolinas California, (17 miles south of Point Reyes) and it's called KPH. Down
>there the transmitters all run AT LEAST 5KW to gain beams that bring the ERP up >into the half megawatt range. I really agree with this method of thinking. The ham >transmitter is a Collins 30K-5 which runs 200 watts on 30 meters and 300 on 40. >The antenna that the Collins has is a 6 Megahertz Dipole, up 280 feet above sea >level. The masts are 80 feet high, and the masts are stuck into a cliff. In a complete >circle around you can see the sky meet the horizon. We are trying our best to put out >the finest quality signal we can. That's where I derive my motto: "If the front end isn't >crunching, then the signal is not strong enough"

Now remember... Adam just turned seventeen and has had his ham ticket for a very short time. I'm sure he has been spending a lot of time as a guest operator over at KPH. My guess is that he once went on a tour of KPH on open-house day.

Since the obvious doesn't seem apparent to a few of the QRP-L gang... I will be blunt. Adam is a bright young fellow who enjoys the attention he gets when he role plays with boring old farts who are suckers for his game. Now he has sucked some of you into E-mailing him and he is going to spin you for all it is worth. Adam is laughing at you. To him, this

is a joke. By responding inappropriately, you have given Adam the most fun he has had since he stomped a few QRPers up on 7037.

Children really get a kick out of making adults act just like they do.

>Seems to have confused quality with quantity.

Naw, Bob... Adam knows exactly what he is doing and saying. You got sucked in. He isn't one bit confused. Now, perhaps, some of you will understand why I advised that a thoughtful reply to QST was the best policy... and why Adam's E-mail box should be left empty. Let's not be compulsive and let Adam play us like well strung violins.

vy 73,

Martin W9XN QRP-L #998

From owner-qrp-l@Lehigh.EDU Mon Feb 24 18:05:35 1997

From: Randy Hargenrader <randyh@harksystems.com>

Subject: [12951] Re: Why QRP?

Message-ID: <3311DAEC.5F48@harksystems.com>

Wow!

He's not only "from a different school" he's from another planet!! That's not a bad thing necessarily, just a guy with an opinion that is the complete opposite of yours/ours. (Sounds like he's headed for broadcasting...) I wish I could remember a particular quote that I can only paraphrase that has to do with the process of acceptance of a new and different idea and consequently I could then wax poetically about it. But, you guys are spared that experience! The great thing about this hobby are all the different facets that can be explored. It takes a lifetime to sample them all and the result is that there is always something new and exciting to get involved in. I figure he'll be around one day after he works halfway around the world and then finds the B+ on the finals was at 2 volts... then again, not with THAT antenna system. Reminds of some loudspeakers that need 100 watts just to get the proper response from them...

--

73, Randy WJ4P

QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Mon Feb 24 18:05:35 1997
From: kd1jv@juno.com (Steven Weber)
Subject: [12957] Re: Why QRP?
Message-ID: <19970224.150832.4863.0.KD1JV@juno.com>

I wasn't going to comment on this, but this thread seems like its not going to die peacefully...

Hey, I remember when I was 17 and thought more was better. And after all, Adam is from So.Cal, home of the "California Kilowatt". Admit it, a lot of you all thought more was better when you first became Hams, right? Envied the guy down the street with his KW station.

Someday, Adam will get tired of all the easy pickings running QRO and discover the challenge of QRP. (Or his parents will make HIM pay the light bill!)

When I was a wee chap, I asked my dad if a radio worked okay with 6 transistors, wouldn't a hundred work better? He said, " Not really, and why use a hundred when just six will do?" And to think today, I'm building a radio with a million transistors, if you count the ones in the cpu and DDS chip....

Anyway, let Adam have his fun and some day he will have to trade that sports car in for an econ-o model....

de KD1JV Steve in NH